

Primer ID	Primer Sequence	Brief Description of Primer
HIMAR_EXT	CCGTGATTTCTGAAGAGC	Arbitrary PCR Tn mapping Round 1
HIMAR_INT	TGACGAGTTCTCTGAGCGG	Arbitrary PCR Tn mapping Round 2 & Sanger sequencing
PS_ARB2	GGCCACGGCGTCGACTAGTAC	Arbitrary PCR Tn mapping Round 2
PS_ARB4	GGCCACGGCGTCGACTAGTACACNNNNNNNNNGCCAG	Arbitrary PCR Tn mapping Round 1
PS_ARB5	GGCCACGGCGTCGACTAGTACNNNNNNNNNGCCG	Arbitrary PCR Tn mapping Round 1
PS_ARB6	GGCCACGGCGTCGACTAGTACNNNNNNNNNGCCG	Arbitrary PCR Tn mapping Round 1
PS0141a	GNNGAATTGCGACAAAGTTTCCGCTGCCTC	deletion of Dsui_0141
PS0141b	GNNACTAGTTATCGACGACACAACCATC	deletion of Dsui_0141
PS0141c	GNNACTAGTGGATAATTAGCCTCTGGCG	deletion of Dsui_0141
PS0141d	GNNGGATCCCGCTTGTCCCCAAAAGGGA	deletion of Dsui_0141
PS0143a	GNNNGATCCGGAAAGATGTGATCAAGGGCTAGCCGATT	deletion of Dsui_0143
PS0143b	GNNACTAGTACCCAAAATAGCTACTGATAAACGCA	deletion of Dsui_0143
PS0143c	GNNACTAGTGGCGCTGATGCCGATATTA	deletion of Dsui_0143
PS0143d	GNNNGAATTCAATCCACTCTCTGTCGAC	deletion of Dsui_0143
PS0144a	GNNNGATCCTTACGCCCGGATTTGGAACAA	deletion of Dsui_0144
PS0144b	GNNACTAGTGCAGCGATTGAGAATGT	deletion of Dsui_0144
PS0144c	GNNACTAGTGCAGCGATTGAGAATGT	deletion of Dsui_0144
PS0144d	GNNGAATTCCATCAGCGCAAACCAAGT	deletion of Dsui_0144
PS0145a	GNNNGAATTCCGCAACGCTTCAAGGAAGATG	deletion of Dsui_0145
PS0145b	GNNNGATCCCGGAATTTGATTTTGATCG	deletion of Dsui_0145
PS0145c	GNNNGATCCATCAAGGGCTAGCCGATTA	deletion of Dsui_0145
PS0145d	GNNACTAGTGCATTGGAGACCCAAGGGA	deletion of Dsui_0145
PS0146a	GNNNGAATTCTAATGTTGCAATTGAGCGGC	deletion of Dsui_0146
PS0146b	GNNNGATCCGCTGACAAAGCTTATTATTG	deletion of Dsui_0146
PS0146c	GNNNGATCCATTCTCGGGAAATTGATTCTT	deletion of Dsui_0146
PS0146d	GNNACTAGTTGCCAGAGAGACATCAG	deletion of Dsui_0146
PS0147a	GNNACTAGTCCCCGTTCTACATAG	deletion of Dsui_0147
PS0147b	GNNNGATCCGTTCTGAGAGCAAGAGTT	deletion of Dsui_0147
PS0147c	GNNNGATCCCTGAGGCGAAACGCTG	deletion of Dsui_0147
PS0147d	GNNGAATTCCGCTGGATAGTAGTGTGCAA	deletion of Dsui_0147
PS0148a	GNNACTAGTGAAGAAGTCAAGTGGGTGCG	deletion of Dsui_0148
PS0148b	GNNGAATTGGGGCGTTTACATAG	deletion of Dsui_0148
PS0148c	GNNGAATTCCGAGCACGACATGATTGATT	deletion of Dsui_0148
PS0148d	GNNNGATCCTCAGCGTTATTGGGCTCAG	deletion of Dsui_0148
PS0149a	GNNGAATTCTAGCCGTGCTGATTGGATGG	deletion of Dsui_0149
PS0149b	GNNNGATCCGGCTAGCAGGAAGGCTTACG	deletion of Dsui_0149
PS0149c	GNNNGATCCGCCAGGCCCATGTTCTA	deletion of Dsui_0149
PS0149d	GNNACTAGTCCAAGTACAGGGCACATA	deletion of Dsui_0149
PS0150a	GNNACTAGTCTCCGGACGGGACTGT	deletion of Dsui_0150
PS0150b	TATATAAAATTAAAGTCGATGGGTGATACATTACGATCTCCGC	deletion of Dsui_0150
PS0150c	CCCATCGACTTAATTATATAAAGCCCTCTGATCGTACAAGTGGC	deletion of Dsui_0150
PS0150d	GNNACTAGTGCCTAGTGGCAGCTGA	deletion of Dsui_0150
PS0151a	GNNACTAGTGCCTAGGAAAGCCTAC	deletion of Dsui_0151
PS0151b	TATATAAAATTAAAGTCGATGGGTGCTGGCTCAGGTAGAACAA	deletion of Dsui_0151
PS0151c	CCCATCGACTTAATTATATAACGGATGACTACCACAAAGTGGC	deletion of Dsui_0151
PS0151d	GNNNACTAGTGGAAAGCGGATGGCGAAGGCT	deletion of Dsui_0151
PS0152a	GNNACTAGTGCCTGGCTTCTGTCTT	deletion of Dsui_0152
PS0152b	TATATAAAATTAAAGTCGATGGGTGCTGGCGAGTTGCAGAGCG	deletion of Dsui_0152
PS0152c	CCCATCGACTTAATTATATAAAGCTGCGCATGGGACGAGCA	deletion of Dsui_0152
PS0152d	GNNACTAGTGGCTGGCTGATGACCGGA	deletion of Dsui_0152
PS0153a	GNNNGATCGTCAAGAGGGCTGATGT	deletion of Dsui_0153
PS0153b	GNNNACTAGTGGCTGGCTGGTAGGCGACCGGAGA	deletion of Dsui_0153
PS0153c	GNNACTAGTTACTTTAGCCTGAGGTGCGA	deletion of Dsui_0153
PS0153d	GNNNGAATTGGGGTCGGTACGTATCACAG	deletion of Dsui_0153
PS0154a	GNNNACTAGTGGCCGGAGCGTGTAGTTCT	deletion of Dsui_0154
PS0154b	TATATAAAATTAAAGTCGATGGGTGCTGGCTCAGGTAGAACAA	deletion of Dsui_0154
PS0154c	CCCATCGACTTAATTATATAATGTCGCTGGTAGCCTTTCG	deletion of Dsui_0154
PS0154d	GNNNACTAGTGGCTGGCTGGTAGGCGCAAGCCGA	deletion of Dsui_0154
PS0155a	GNNACTAGTGTGATGGCCGACCGGTG	deletion of Dsui_0155
PS0155b	TATATAAAATTAAAGTCGATGGGTGCTGGCATGGCGCTTCGT	deletion of Dsui_0155
PS0155c	CCCATCGACTTAATTATATAATGCGTGGCGGAAACATACG	deletion of Dsui_0155
PS0155d	GNNACTAGTGGCTGGCTGGCTGGTAGGCGCTTCGT	deletion of Dsui_0155
PS0156a	GNNNACTAGTGCAGAGGCCGAAGCCCGAGA	deletion of Dsui_0156
PS0156b	TATATAAAATTAAAGTCGATGGGTGCTGGCTGGTAGGCG	deletion of Dsui_0156
PS0156c	CCCATCGACTTAATTATATAATGCGTGGCTGGCGCCA	deletion of Dsui_0156
PS0156d	GNNNACTAGTCCGAGCGGCCACCATAACGCA	deletion of Dsui_0156
PS0157a	GNNNACTAGTACCGGACAGGCCACGCAC	deletion of Dsui_0157
PS0157b	TATATAAAATTAAAGTCGATGGGTGCTGGCAATCATGGCGGT	deletion of Dsui_0157
PS0157c	CCCATCGACTTAATTATATAATGCGTGGCTGGTAGGCGT	deletion of Dsui_0157
PS0157d	GNNNACTAGTGCCTGGCTGGTAGCT	deletion of Dsui_0157
PS0158a	GNNNACTAGTGGCCATGGTGGCTGGTAG	deletion of Dsui_0158
PS0158b	TATATAAAATTAAAGTCGATGGGTGAGCATTACTGCGCGAG	deletion of Dsui_0158
PS0158c	CCCATCGACTTAATTATATAAAGAAGAAGTAAAGGCAGCGCTGG	deletion of Dsui_0158
PS0158d	GNNNACTAGTGGCTGGCTCCACTGGCA	deletion of Dsui_0158
pcrSup	GNNNGAATTCTCGCTGGTACTGCTATTGGCGAA	complementation of pcrS
pcrSdn	GNNNGATCCCCATTCCGCACAAAGGTGTC	complementation of pcrS
pcrPup	GNNNGATCCACCTTGTGGAGATGAGATGA	complementation of pcrP
pcrPdn	GNNNGATCCACCTTGTGGAGATGGGGT	complementation of pcrP
pcrRup	GNNNGATCCGCAAGGAAGGCCATAGAACAA	complementation of pcrR
pcrRdn	GNNNGATCCGGCATGAAACCATGACGAGCT	complementation of pcrR
pcrPROUp	GNNNGAATTCTCGCTGGTACTGCTATTGGCGAA	construction of pRAM62 pcrA promoter fragment
pcrPROMdn	GNNNGATCCCTTTGACGGAACACCGGAAAC	construction of pRAM62 pcrA promoter fragment
pcrAup	GNNNGATCCCTAGATAAGGAGATGACAATGGTCAAATG	complementation of pcrA
pcrAdn	GNNNGATGATCGGGATCTGACTAGAA	complementation of pcrA
pcrBup	GNNNGATCCCGAACAGGATAATTATGCGTAAATGT	complementation of pcrB
pcrBdn	GNNNACTAGTGGCGCTCCATTGCAACATTAGG	complementation of pcrB
pcrCup	GNNNACTAGTCCCTTTCGAGATTGCGGCGAT	complementation of pcrC
pcrCdn	GNNNACTAGTCCCTGGTGTACTTCAGCGGTATT	complementation of pcrC
pcrDup	GNNNGATCCGATCCTTTAGGAAATGAGGAATCAAATG	complementation of pcrD
pcrDdn	GNNNACTAGTCCGAGTCGGCTCAAGAACAT	complementation of pcrD
cldup	GNNNGATCCCCACACAAAGGAGATCATGACAAAC	complementation of cld
clddn	GNNNACTAGTTGAGAGGGACAGCCATTGTTA	complementation of cld